

What is claimed is:

- ✓ 1. A method for identifying a maintenance gene comprising:
determining the expression of at least one hundred genes in at least two different
5 types of tissues in two different developmental stages; and
indicating a gene that is expressed at the same level in said tissues in said stages
as said maintenance gene.
2. The method of Claim 1 wherein said at least one hundred genes comprise at least
one thousand genes.
- 10 3. The method of Claim 1 wherein said at least two types of tissues comprise at least
five different types of tissues.
4. The method of Claim 1 wherein said determining uses nucleic acid probe arrays.
5. The method of Claim 1 wherein a gene is considered as expressed at the same
level if the variation of its expression is within 10 fold.
- 15 6. The method of Claim 5 wherein a gene is considered as expressed at the same
level if the variation of its expression is within 5 fold.
7. The method of Claim 6 wherein a gene is considered as expressed at the same
level if the variation of its expression is within 2 fold.
8. The method of Claim 1 wherein a gene is considered as expressed at the same
20 level if the variation of its expression is not statistically significant.
- ✓ 9. A method for comparing the expression of a gene in a plurality of biological
samples comprising:

measuring the expression of at least three maintenance genes selected from the group consisted of:

HG2815-	Myosin, Light Chain, Alkali,(Gb:U02629), Alt. Splice 2
HT2931	
J03191	Profilin
M10277	Cytoplasmic beta-actin
M14483	PTMA gene extracted from prothymosin alpha
M17733	Thymosin beta-4 mRNA
M19283	Cytoskeletal gamma-actin
M26708	Prothymosin alpha mRNA (ProT-alpha)
S65738	Actin depolymerizing factor
U37122	Adducin gamma subunit
X00351	Beta-actin
X54304	Myosin regulatory light chain
X95404	Non-muscle type cofilin
D15057	DAD-1
L08246	Myeloid cell differentiation protein (MCL1)
M63379	TRPM-2 protein, Clusterin
D13118	ATP synthase subunit c encoded by P1
D14710	ATP synthase alpha subunit
D16469	Vacuolar ATP synthase subunit AC45 precursor
D16562	ATP synthase gamma-subunit (L-type)
D49400	Fetus brain vacuolar ATPase
M19483	ATP synthase beta subunit
M37104	Mitochondrial ATPase coupling factor 6 subunit (ATP5A)
U09813	Mitochondrial ATP synthase subunit 9, P3 gene copy
U16799	NaK-ATPase beta-1 subunit
U51478	Sodium/potassium-transporting ATPase beta-3 subunit
X60221	H+-ATP synthase subunit b
X64330	ATP-citrate lyase
X83218	ATP synthase
Z71460	Vacuolar-type H(+)-ATPase 115 kDa subunit
AB001325	AQP3 aquaporine 3 (water channel)
L06132	Voltage-dependent anion channel isoform 1 (VDAC)
L08666	Porin (por)
AC002115	COX6B (COXG)
J04823	Cytochrome c oxidase subunit VIII (COX8)
J04973	Cytochrome bc-1 complex core protein II
L32977	Clone f17252 ubiquinol cytochrome c reductase Rieske iron-

sulphur protein (UQCRFS1)
 U90915 Clone 23600 cytochrome c oxidase subunit IV
 X13238 Cytochrome c oxidase subunit VIc
 X15341 COX VIa-L cytochrome c oxidase liver-specific subunit VIa
 (EC 1.9.3.1)
 X15822 COX VIIa-L liver-specific cytochrome c oxidase (EC
 1.9.3.1.)
 X16560 COX VIIc subunit VIIc of cytochrome c oxidase (EC
 1.9.3.1)
 Z14244 CoxVIIb cytochrome c oxidase subunit VIIb
 D50310 Cyclin I
 D89667 C-myc binding protein
 M93651 SET (Suvar3-9, Enhancer-of-zeste, Trithorax)
 X61123 BTG1 mRNA, B-cell translocation gene 1
 D43682 Very-long-chain acyl-CoA dehydrogenase (VLCAD)
 D55654 Cytosolic malate dehydrogenase
 D90086 Pyruvate dehydrogenase (EC 1.2.4.1) beta subunit
 M91432 Medium-chain acyl-CoA dehydrogenase (MCAD)
 X01677 Liver glyceraldehyde-3-phosphate dehydrogenase (G3PD EC
 1.2.1.12)
 X02152 Lactate dehydrogenase-A (LDH-A EC 1.1.1.27)
 X05409 RNA mitochondrial aldehyde dehydrogenase I ALDH I (EC
 1.2.1.3)
 X13794 Lactate dehydrogenase B exon 1 and 2 (EC 1.1.1.27)
 D78134 Glycine-rich RNA binding protein CIRP
 D90209 DNA binding protein TAXREB67
 HG4264- Guanine Nucleotide-Binding Protein Rab5c-Like Protein
 HT4534
 HG662-HT662 Epstein-Barr Virus Small Rna-Associated Protein
 J03827 Y box binding protein-1 (YB-1)
 L37368 (Clone E5.1) RNA-binding protein
 L43631 Scaffold attachment factor (SAF-B)
 M21142 Guanine nucleotide-binding protein G-s-alpha-3 extracted
 from guanine nucleotide-binding protein alpha-subunit (G-
 s-alpha)
 M23613 Nucleophosmin
 M34539 FK506-binding protein (FKBP)
 S78771 NAT=CpG island-associated [1741 nt]
 U02493 54 kDa protein, 54 KD Nuclear RNA binding protein
 U07857 18 kDa Alu RNA binding protein
 U10439 Double-stranded RNA adenosine deaminase
 U20998 Signal recognition particle subunit 9 (SRP9)

U30827	Splicing factor SRp40-3 (SRp40)
U33818	Inducible poly(A)-binding protein
U33821	Tax1-binding protein TXBP151
U38846	Stimulator of TAR RNA binding (SRB)
U51334	Putative RNA binding protein (RBP56)
U68105	Poly(A)-binding protein (PABP)
U79528	SR31747 binding protein 1
X04347	DNA binding protein UPI homologue (C-terminus)
X63753	Son-a
X71428	Fus, RNA binding protein
X75252	Phosphatidylethanolamine binding protein
Z48501	Polyadenylate binding protein II
Z71460	Vacuolar-type H(+)-ATPase 115 kDa subunit.
D78132	Ras homologue enriched in brain (RHEB) Ras-related GTP binding protein
HG4264-	Guanine Nucleotide-Binding Protein Rab5c-Like Protein
HT4534	
L25080	GTP-binding protein (rhoA)
L33075	Ras GTPase-activating-like protein (IQGAP1)
M21142	Guanine nucleotide-binding protein G-s-alpha-3
M24194	MHC protein homologous to chicken B complex protein
U20285	Gps1 (GPS1), G PROTEIN PATHWAY SUPPRESSOR 1
U41654	Adenovirus protein E3-14.7k interacting protein 1 (FIP-1)
D32129	HLA class-I (HLA-A26) heavy chain (clone cMIY-1)
D49824	HLA-B null allele
M59830	MHC class III HSP70-2 (HLA)
X75091	HLA-DR associated protein II (PHAPII)
HG2855-	Heat Shock Protein 70 Kda (Gb:Y00371)
HT2995	
J04988	90 kD heat shock protein
M11717	Heat shock protein (hsp 70)
X15183	90-kDa heat-shock protein
Z23090	28 kDa heat shock protein
L20941	Ferritin heavy chain, iron storage
M11147	Ferritin L chain, iron storage
M69023	Globin
L19779	Histone H2A.2
M11353	Histone class C
M37583	Histone (H2A.Z)
U50079	Histone deacetylase HD1
X05855	Histone H3.3 exon 2

X13546	HMG-17 protein
X72841	IEF 7442, Histone acetyl transferase type B subunit 2
Z48950	HH3.3B histone H3.3
X57351	1-8D from interferon-inducible family
X59892	IFN-inducible gamma2 protein
K03515	Neuroleukin
L76191	Interleukin-1 receptor-associated kinase (IRAK)
HG1153- HT1153	Nucleoside Diphosphate Kinase Nm23-H2s
L36151	Phosphatidylinositol 4-kinase
L40027	Glycogen synthase kinase 3
L76191	Interleukin-1 receptor-associated kinase (IRAK)
M14676	Src-like kinase (slk)
M30448	Casein kinase II beta subunit
M33336	CAMP-dependent protein kinase type I-alpha subunit (PRKAR1A)
U40282	Integrin-linked kinase (ILK)
U51004	Putative protein kinase C inhibitor (PKCI-1)
U77948	Bruton tyrosine kinase-associated protein-135
V00572	Encoding phosphoglycerate kinase
X56468	14.3.3 protein a protein kinase regulator
X57152	Casein kinase II subunit beta (EC 2.7.1.37)
D10522	80K-L protein
HG1862- HT1897	Calmodulin Type I
M19311	Calmodulin
X57346	HS1 protein
AJ000099	Lysosomal hyaluronidase
J04182	Lysosomal membrane glycoprotein-1 (LAMP1)
M15182	Beta-glucuronidase
M29877	Alpha-L-fucosidase
U91932	AP-3 complex sigma3A subunit
HG658-HT658	Major Histocompatibility Complex Class I C (Gb:X58536)
J00105	Beta-2 microglobulin
M11313	Alpha-2-macroglobulin
S82297	Beta 2-microglobulin
M84349	Transmembrane protein (CD59)
X59405	Membrane cofactor protein
D13315	Lactoyl glutathione lyase
D49489	Protein disulfide isomerase-related protein P5
D78361	Ornithine decarboxylase antizyme ORF 1 and ORF 2

D85758	Protein homologous to DROER protein, Enhancer of rudimentary homolog
HG2279- HT2375	Triosephosphate Isomerase
HG4073- HT4343	Cytosolic Acetoacetyl-Coenzyme A Thiolase
J03077	Co-beta glucosidase (proactivator)
J03459	Leukotriene A-4 hydrolase
J04173	Phosphoglycerate mutase (PGAM-B)
L19437	Transaldolase containing transposable element
L48513	Paraoxonase 2 (PON2)
M14328	Alpha enolase
M32405	Homologue of rat insulinoma gene (rig), exons 4
M33764	Ornithine decarboxylase
M37721	Peptidylglycine alpha-amidating monooxygenase
M83088	Phosphoglucomutase 1 (PGM1)
M86400	Phospholipase A2
U29607	Methionine aminopeptidase
U31930	Deoxyuridine nucleotidohydrolase
U44772	Palmitoyl protein thioesterase
U67171	Selenoprotein W (selW)
U86070	Phosphomannomutase
U94586	NADH:ubiquinone oxidoreductase MLRQ subunit
U97105	Drp2, Dihydropyrimidinase related protein
X02317	Cu/Zn superoxide dismutase (SOD)
X05130	Prolyl 4-hydroxylase beta subunit (EC 1.14.11.2) (procollagen-L-proline, 2-oxoglutarate:oxygen oxidoreductase, 4-hydroxylating)
X12447	Aldolase A gene (EC 4.1.2.13)
X14448	GLA alpha-D-galactosidase A
X52851	Peptidylprolyl isomerase gene extracted from cyclophilin gene (EC 5.2.1.8)
X71973	GPx-4 phospholipid hydroperoxide glutathione peroxidase
Y09616	Putative carboxylesterase
Z15115	TOP2, DNA topoisomerase II
Z49835	Protein disulfide isomerase
L11066	Mitochondrial stress-70 protein precursor
M22382	Mitochondrial matrix protein P1 (nuclear encoded)
M22538	Nuclear-encoded mitochondrial NADH-ubiquinone reductase 24Kd subunit
M22760	Nuclear-encoded mitochondrial cytochrome c oxidase Va subunit

M26730	Mitochondrial ubiquinone-binding protein 5' flank with an LTR-like sequence
M37104	Mitochondrial ATPase coupling factor 6 subunit (ATP5A)
M94556	Mitochondrial specific single stranded DNA binding protein
U54778	14-3-3 epsilon, Mitochondrial import stimulation factor L
U62739	Branched-chain amino acid aminotransferase (ECA40), Mitochondrial precursor
X05409	Mitochondrial aldehyde dehydrogenase I ALDH I (EC 1.2.1.3)
X60036	Mitochondrial phosphate carrier protein
Y00764	Mitochondrial hinge protein
Z70759	Mitochondrial 16S rRNA
M14200	Diazepam binding inhibitor (DBI)
J03805	Phosphatase 2A
X68277	CL 100 protein tyrosine phosphatase
X74008	Protein phosphatase 1 gamma
X81003	HCG V
U37690	RNA polymerase II subunit (hsRPB10)
Z27113	RNA polymerase II subunit 14.4 kD
Z47727	RNA polymerase II subunit
HG417-HT417	Cathepsin B
L02426	26S protease (S4) regulatory subunit
M23254	Ca2-activated neutral protease large subunit (CANP)
M27891	Cystatin C (CST3)
U14394	Tissue inhibitor of metalloproteinases-3, TIMP3
U46692	Cystatin B gene
X12451	MrRNA pro-cathepsin L (major excreted protein MEP)
D00761	Proteasome subunit HC5
D00762	Proteasome subunit HC8
D00763	Proteasome subunit HC9
D26598	Proteasome subunit HsC10-II
D26599	Proteasome subunit HsC7-I
D26600	Proteasome subunit HsN3
D29012	Proteasome subunit Y
D38047	26S proteasome subunit p31
D38048	Proteasome subunit z
D50063	Proteasome subunit p40_/ Mov34 protein
M64992	Prosome protein P30-33K (pros-30)
U70735	34 kDa mov34 isologue
X61970	Macropain subunit zeta, Proteasome Zeta chain
X95586	MB1

D23673	Clone HH109 (screened by the monoclonal antibody of insulin receptor substrate-1 (IRS-1))
L40357	Thyroid receptor interactor (TRIP7)
M14199	Laminin receptor (2H5 epitope)
M88279	Immunophilin (FKBP52), P59 Protein (HSP binding immunophilin) (HBI)
M88458	ELP-1, Erlumen protein retaining receptor 2 (KDEL receptor 2)
U43901	37 kD laminin receptor precursor/p40 ribosome associated protein
U72511	B-cell receptor associated protein (hBAP)
X07979	Fibronectin receptor beta subunit
X80763	5-HT _{2c} receptor
Z32765	CD36
M16447	Dihydropteridine reductase (hDHPR) mRNA
M28713	NADH-cytochrome b5 reductase (b5R)
X15414	Aldose reductase
X91247	Thioredoxin reductase
U49785	D-dopachrome tautomerase
J05249	Replication protein A 32-kDa subunit
X15729	Nuclear p68 protein
L20688	RHO GDP-dissociation inhibitor protein (Ly-GDI)
U02570	CDC42 GTPase-activating protein
Z24725	Mitogen inducible mig-2
HG1322-	Small Nuclear Ribonucleoprotein Polypeptide C Alt. Splice 2
HT5143	
HG3076-	Heterogeneous Nuclear Ribonucleoprotein K Alt. Splice 1
HT3238	
J04615	Lupus autoantigen (small nuclear ribonucleoprotein snRNP SM-D)
L03532	M4 protein, Heterogeneous Nuclear Ribonucleoprotein M
L22009	HnRNP H mRNA
L28010	HnRNP F protein mRNA
M16342	Nuclear ribonucleoprotein particle (hnRNP) C protein
M21259	Alu repeats in the region 5' to the small nuclear ribonucleoprotein E
M29064	HnRNP B1 protein
M74002	Arginine-rich nuclear protein
M88108	P62
M94630	HnRNP-C like protein
U00947	Heterogeneous Nuclear Ribonucleoprotein A1
U15008	SnRNP core protein Sm D2

X12671	Heterogeneous nuclear ribonucleoprotein (hnRNP) core protein A1
X16135	Novel heterogeneous nuclear RNP protein L protein
X78136	HnRNP-E2
D14530	Homolog of yeast ribosomal protein S28
D23660	Ribosomal protein
D79205	Ribosomal protein L39
D87735	Ribosomal protein L14
HG1800- HT1823	Ribosomal Protein S20
HG2873- HT3017	Ribosomal Protein L30 Homolog
HG311-HT311	Ribosomal Protein L30
HG3364- HT3541	Ribosomal Protein L37
HG33-HT33	Ribosomal Protein S4, X-Linked
HG384-HT384	Ribosomal Protein L26
HG4319- HT4589	Ribosomal Protein L5
HG4542- HT4947	Ribosomal Protein L10
HG613-HT613	Ribosomal Protein S12
HG821-HT821	Ribosomal Protein S13
L04483	Ribosomal protein S21 (RPS21)
L06499	Ribosomal protein L37a (RPL37A)
L06505	Ribosomal protein L12
L11566	Ribosomal protein L18 (RPL18)
L19527	Ribosomal protein L27 (RPL27)
L38941	Ribosomal protein L34 (RPL34)
M13934	Ribosomal protein S14
M15661	Ribosomal protein
M17885	Acidic ribosomal phosphoprotein P0
M17886	Acidic ribosomal phosphoprotein P1
M18000	Ribosomal protein S17
M31520	Ribosomal protein S24
M36072	Ribosomal protein L7a (surf 3) large subunit
M60854	Ribosomal protein S16
M64716	Ribosomal protein S25
M77232	Ribosomal protein S6
M81757	S19 ribosomal protein
U09953	Ribosomal protein L9
U12404	Csa-19

U12465	Ribosomal protein L35
U14968	Ribosomal protein L27a
U14969	Ribosomal protein L28
U14970	Ribosomal protein S5
U14971	Ribosomal protein S9
U14972	Ribosomal protein S10
U14973	Ribosomal protein S29
U25789	Ribosomal protein L21
U58682	Ribosomal protein S28
U78027	L44L (L44-like ribosomal protein)
X03342	Ribosomal protein L32
X06617	Ribosomal protein S11
X15940	Ribosomal protein L31
X17206	LLRep3, 40S RIBOSOMAL PROTEIN S2
X52966	Ribosomal protein L35a
X53777	L23 putative ribosomal protein
X55715	Hums3 40S Ribosomal protein s3
X55954	HL23 ribosomal protein homologue
X56932	23 kD highly basic protein
X57959	Ribosomal protein L7
X62691	Ribosomal protein (homologous to yeast S24)
X63527	Ribosomal protein L19
X64707	BBC1
X67247	RpS8 gene for ribosomal protein S8
X69150	Ribosomal protein S18
X69391	Ribosomal protein L6
X69654	Ribosomal protein S26
X73460	Ribosomal protein L3
X79234	Ribosomal protein L11
Z12962	Homologue to yeast Ribosomal protein L41
Z25749	Gene for ribosomal protein S7
Z26876	Ribosomal protein L38
Z28407	Ribosomal protein L8
Z49148	Ribosomal protein L29
M36341	ADP-ribosylation factor 4 (ARF4)
M74491	ADP-ribosylation factor 3
M84332	ADP-ribosylation factor 1
U70439	Silver-stainable protein SSP29
X04526	Liver beta-subunit signal transducing proteins Gs/Gi (beta-G)
D28915	Hepatitis C-associated microtubular aggregate protein p44

D38549	KIAA0068
HG1980- HT2023	Tubulin, Beta 2
HG2238- HT2321	Nuclear Mitotic Apparatus Protein 1 Alt. Splice 2
HG3514- HT3708	Tropomyosin Tm30nm, Cytoskeletal
HG987-HT987	Mac25
L11373	Protocadherin 43, PC43
L14837	Tight junction (zonula occludens) protein ZO-1
M20471	Brain-type clathrin light-chain a mRNA
M31013	Nonmuscle myosin heavy chain (NMHC)
M33308	Vinculin mRNA
M33680	26-kDa cell surface protein TAPA-1, CD81 ANTIGEN
M55998	Alpha-1 collagen type I gene, 3' end
M57710	LgE-binding protein (epsilon-BP)
M69066	Moesin
M69181	Nonmuscle myosin heavy chain-B (MYH10)
M96803	Ral beta-spectrin (SPTBN1)
S54005	Thymosin beta-10 [, metastatic melanoma cell line, 453 nt]
U03100	Alpha2(E)-catenin
U24105	Coatamer protein (HEPCOP)
U45976	Clathrin assembly protein lymphoid myeloid leukemia (CALM)
U56637	Capping protein alpha subunit isoform 1, F-actin capping protein alpha-1 subunit (CAPZ)
U57341	Neurofilament triplet L protein
U60115	Skeletal muscle LIM-protein SLIM1
U83463	Scaffold protein Pbp1
V00599	Beta-tubulin (from clone D-beta-1)
X51521	Ezrin
X53331	Matrix Gla protein
X57398	PM5 protein
X72964	Caltractin
X82103	Beta-COP, coatamer protein
X97074	MRNS for clathrin-associated protein
Z19554	Vimentin
Z24727	Tropomyosin isoform
Z47038	Putative microtubule-associated; protein 1A (MAP1A)
J03473	Poly(ADP-ribose) synthetase
U09510	Glycyl-tRNA synthetase
U43286	Selenophosphate synthetase 2 (SPS2)

U79262	Deoxyhypusine synthase
X76013	QRSHs glutaminyl-tRNA synthetase
X91257	Seryl-tRNA synthetase
X94754	Yeast methionyl-tRNA synthetase homologue
Z47055	CDNA sequence farnesyl pyrophosphate synthetase like-4
HG1515-	Transcription Factor Btf3b
HT1515	
HG4297-	Transcriptional Coactivator Pc4
HT4567	
L12168	Adenylyl cyclase-associated protein (CAP)
L20298	Transcription factor (CBFB)
L34587	RNA polymerase II elongation factor SIII, p15 subunit
L49380	Transcription factor ZFM1
M81601	Transcription elongation factor (SII)
M97935	Transcription factor ISGF-3
U10323	Nuclear factor NF45
U14193	TFIIA gamma subunit mRNA
U95040	Transcriptional corepressor hKAP1/TIF1B
X52882	T-complex polypeptide 1
X80909	Alpha NAC
Z47087	RNA polymerase II elongation factor-like protein
D26535	Dihydrolipoamide succinyltransferase (exon 1-15)
L10413	Farnesyltransferase alpha-subunit mRNA
M24485	Glutathione S-transferase pi (GSTP1)
U56417	Lysophosphatidic acid acyltransferase-alpha
U90313	Glutathione-S-transferase homolog
D13413	Tumor-associated 120 kDa nuclear protein p120 (carboxyl terminus)
D61380	DJ-1 protein
HG1102-	Ras-Related C3 Botulinum Toxin Substrate
HT1102	
HG3549-	Wilm'S Tumor-Related Protein
HT3751	
HG4541-	Transformation-Related Protein
HT4946	
M15990	C-yes-1, Proto-oncogene tyrosine protein kinase YES
M55409	Pancreatic tumor-related protein
M84711	V-fos transformation effector protein (Fte-1)
S79219	Metastasis-associated
U50523	BRCA2 region sequence CG037
U57342	Myelodysplasia/myeloid leukemia factor 2 (MLF2)
V01512	Cellular onco c-fos (sequence)

X16064	Translationally controlled tumor protein
X16416	C-abl encoding p150 protein, Proto-oncogene tyrosine protein kinase ABL
X56681	JunD
X67951	Proliferation-associated gene (pag)
X72727	Tunp transformation upregulated nuclear protein
X81817	BAP31, CDM Protein (6C6-AG Tumor associated antigen)
D30655	Eukaryotic initiation factor 4AII
J04617	Elongation factor EF-1-alpha
L26247	Sui1iso1
U46025	Translation initiation factor eIF-3 p110 subunit
U62962	Int-6, Viral integration site protein INT-6
U94855	Translation initiation factor 3 47 kDa subunit
X03689	Fragment elongation factor TU (N-terminus)
X51466	Elongation factor 2
X55733	Initiation factor 4B
X60489	Elongation factor-1-beta
Z21507	EF-1delta gene encoding elongation factor-1-delta
Z37166	BAT1, nuclear RNA helicase (DEAD family)
AB002533	Qip1
AJ001421	Rer1 protein
J02683	ADP/ATP carrier protein
J03592	ADP/ATP translocase, clone pHAT8
M28209	TGTP-binding protein (RAB1)
M34175	Beta adaptin mRNA
U32944	Cytoplasmic dynein light chain 1 (hdlc1)
U36341	SLC6A8 (creatine transporter)
U41740	Trans-Golgi p230
U51478	Sodium/potassium-transporting ATPase beta-3 subunit
U61734	Protein trafficking protein (S31iii125)
U70660	Copper transport protein HAH1 (HAH1)
X74104	TRAP beta subunit, Translocon-associated protein
Y00281	Ribophorin I
Y00282	Ribophorin II
Z69043	Translocon-associated protein delta subunit precursor
D23662	Ubiquitin-like protein
L10284	Integral membrane protein calnexin (IP90)
M26880	Ubiquitin
M58028	Ubiquitin-activating enzyme E1 (UBE1)
S79522	Ubiquitin carboxyl extension protein [540 nt]
U39317	E2 ubiquitin conjugating enzyme UbcH5B (UBCH5B)

U44839	Putative ubiquitin C-terminal hydrolase (UHX1)
U46751	Phosphotyrosine independent ligand p62 the Lck SH2 domain
U49869	Ubiquitin
X56997	UbA52 coding ubiquitin-52 amino acid fusion protein
HG3214-	Metallopanstimulin 1
HT3391	
L11672	Kruppel related zinc finger protein (HTF10)
M94046	Zinc finger protein (MAZ)
X70394	OZF
AC002045	A-589H1.2 from Chromosome 16 BAC clone CIT987-SKA-589H1
D13641	KIAA0016
D14658	KIAA0102
D14662	KIAA0106
D14694	KIAA0024
D14695	KIAA0025
D14812	KIAA0026
D21260	KIAA0034
D21261	KIAA0120
D21853	KIAA0111
D25274	Unknown function
D26068	KIAA0038
D29643	KIAA0115
D31767	KIAA0058
D31883	KIAA0059
D31890	KIAA0070
D42043	KIAA0084
D43950	KIAA0098
D63476	KIAA0142
D63477	KIAA0143
D63478	KIAA0144
D63878	KIAA0158
D63878	KIAA0158
D79986	KIAA0164
D79994	KIAA0172
D80005	KIAA0183
D84294	TPRDI, maps to Down's syndrome region
D86963	KIAA0208
D86974	KIAA0220
D87451	KIAA0262

D87953 RTP, Tunicamycin responsive protein
L20773 In the region near the btk involved in a-gamma-globulinemia
L40391 Clone s153
L40395 Clone S20iii15
L40397 Clone S31i125
S73591 VDUP1, vitamin D(3) up-regulated protein 1
S77356 Transcript ch21=oligomycin sensitivity conferral protein oscp
homolog
U34343 13kD differentiation-associated protein
U72342 Platelet activating factor acetylhydrolase brain isoform 45
kDa subunit (LIS1)
U79254 Clone 23693
U79294 Clone 23748
U81556 Hypothetical protein A4
U90909 Clone 23722 sequence
X14684 La protein C-terminal region
X15187 Tra1 homologue of murine tumor rejection antigen gp96
X62654 Me491/CD63 antigen gene
X75861 TEGT, testis-enhanced gene transcript
X80822 ORF
X83416 PrP exon 2
Z11793 Selenoprotein P
D86479 AEBP1
AB001106 Glia maturation factor
D13370 APX encoding APEX nuclease
D14043 MGC-24, mucin-like glycoprotein
D63506 Unc-18homologue, Syntaxin binding protein
D63851 Unc-18 homologue
D78129 Adult (34 year old) Male liver squalene epoxidase
HG1869- Male Enhanced Antigen
HT1904
HG2917- Major Histocompatibility Complex Class I E (Gb:M21533)
HT3061
HG3342- Ld1
HT3519
HG3597- Major Histocompatibility Complex Class I (Gb:X12432)
HT3800
HG3638- Amyloid Beta (A4) Precursor Protein, Alt. Splice 2, A4(751)
HT3849
HG651-HT4201 Adducin, Alpha Subunit, Alt. Splice 2
J04456 14 kd lectin
L09209 Amyloid protein homologue

M13450 Esterase D
M60858 Nucleolin
M63483 Major nuclear matrix protein
M86667 NAP (nucleosome assembly protein)
U01691 Annexin V (ANX5) gene, 5' -untranslated region
U06155 Chromosome 1q subtelomeric sequence D1S553
U11861 G10 homolog (edg-2)
U35048 TSC-22 protein
U41635 OS-9 precursor
U46570 Tetratricopeptide repeat protein (tpr1)
U50733 Dynamitin mRNA
U62317 Hypothetical protein 384D8_2 extracted from Chromosome
22q13
U73824 P97
V00594 Metallothionein from cadmium-treated cells
X66397 Tpr
X73358 HAES-1, GRG protein (ESP1 protein) -Amino enhancer of
split
X76534 NMB
X77584 ATL(Adult T cell leukemia)-derived factor/thioredoxin
X80199 MLN51
X80200 MLN62
X82456 MLN50
X87838 Beta-catenin
X96484 DGCR6 protein
X98482 TNNT2 (troponin)
Y00264 Amyloid A4 precursor of Alzheimer disease
Y00433 Glutathione peroxidase
Z35093 SURF-1
Z93784 Mouse Brain Protein E46 like sequences ESTs

and

evaluating said expression of said gene in said plurality of samples using the expression of said at least three maintenance genes.

- Sub B3 5
10. The method of Claim 9 wherein said at least three maintenance genes comprise at least five maintenance genes selected from said group.

- Sub A3

Add #2

[illegible]